

5.1.1 Liste des publications

Dans la liste ci-dessous, les étudiants que j'encadre ou que j'ai encadré sont soulignés.

— *Chapitre d'ouvrage collectif, manuscrit, rapport technique*

[**Chap.04.17**] Ollier, V., El korso, M. N, **Boyer, R.**, Larzabal, P., *et al.* French SKA White Book - The French community towards the Square Kilometre Array, Published by the SKA-France Coordination in collaboration with AS SKA-LOFAR, Chapter 4 "Technological developments", 2017

[**Chap.03.12**] **Boyer, R.**, Contributions aux méthodes de traitement multidimensionnels et à l'analyse des performances en termes d'estimation et de résolution limite, Habilitation à Diriger des Recherches de l'Université Paris-Sud, 2012.

[**Chap.02.11**] Marcos, S. and **Boyer, R.**, Subspaces-based Estimators and Application to Partially Known Signal Subspaces, Chapter 8 of Digital Spectral Analysis - Parametric, Non-parametric and Advanced Methods, Francis Castanié (Ed.), Willey collection, May 2011.

[**Chap.01.11**] **Boyer, R.**, Multidimensionnel Harmonic Retrieval : Exact, Asymptotic and Modified Cramér-Rao Bounds, Chapter 9 of Digital Spectral Analysis - Parametric, Non-parametric and Advanced Methods, Francis Castanié (Ed.), Willey collection, May 2011.

Co-auteurs : Francis CASTANIE, Eric LE CARPENTIER, Olivier BESSON, André FERRARI, Corinne MAILHES, Nadine MARTIN, Sylvie MARCOS, François LECHEVALIER, Gilles FLEURY, David BONACCI.

— *Articles dans les revues internationales avec comité de lecture :*

[**Art.40.18**] Ollier, V., El korso, M. N, Ferrari, A., **Boyer, R.**, Larzabal, P. , Robust distributed calibration of radio interferometers with direction dependent distortions, Signal Processing, *accepted*.

[**Art.39.18**] Pham, G.T., **Boyer, R.**, and Nielsen, F., Computational Information Geometry For Classification of Random Massive Tensors, ENTROPY, MDPI, *accepted*.

[**Art.38.18**] Brossard, M., El korso, M. N, Pesavento, M., **Boyer, R.**, Larzabal, P. and Wijnholds, S.J., Parallel Multi-Wavelength Calibration Algorithm for Radio Astronomical Arrays, Signal Processing, Volume 145, April 2018, pp. 258-271

[**Art.37.18**] Thameri, M., Abed-Meraim, K., Foroozan, F., **Boyer, R.** and Asif, A., On the Statistical Resolution Limit (SRL) for Time-Reversal based MIMO radar, Signal Processing, Volume 144, March 2018, pp. 373-383

[**Art.36.18**] **Boyer, R.** and Larzabal, P., Sparsity-Based Estimation Bounds With Corrupted Measurements, Signal Processing, Volume 143, February 2018, pp. 86-93

[**Art.35.17**] Ollier, V., El korso, M. N, **Boyer, R.**, Larzabal, P. and Pesavento, M., Robust Calibration of Radio Interferometers in Non-Gaussian Environment, IEEE Transactions on Signal Processing, Volume 65, No. 21, 2017, pp. 5649-5660

[**Art.34.17**] Bouleux, G. and **Boyer, R.**, Sparse-Based Estimation Performance for Partially Known Overcomplete Large-Systems, Signal Processing, Volume 139, October 2017, pp. 70-74

[**Art.33.17**] **Boyer, R.**, Babadi, B., Kalouptsidis, N. and Tarokh, V., Corrections to "Asymptotic Achievability of the Cramér-Rao Bound for Noisy Compressive Sampling", IEEE Transactions on Signal Processing, Volume 65, No. 18, Sept. 2017, pp. 4973-4974

[**Art.32.16**] **Boyer, R.**, and Haardt, M. Noisy Compressive Sampling Based on Block-Sparse Tensors : Performance Limits and Beamforming Techniques, IEEE Transactions on Signal Processing, Volume 64, No. 23, 2016, pp. 6075-6088

[**Art.31.16**] **Boyer, R.**, Couillet, R., Fleury, B-H and Larzabal, P. Large-System Estimation Performance in Noisy Compressed Sensing with Random Support - a Bayesian Analysis, IEEE Transactions on Signal Processing, Volume 64, No. 21, 2016, pp. 5525-5535.

[**Art.30.16**] Bernhardt, S., **Boyer, R.**, Marcos, S. and Larzabal, P., Compressed Sensing with Basis Mismatch : Performance Bounds and Sparse-Based Estimator, IEEE Transactions on Signal Processing, Volume 64, No. 4, 2016, pp. 3483-3494

- [Art.29.16] El korso, M.N., **Boyer, R.**, Larzabal P., and Fleury, B.H., Estimation Performance for the Bayesian Hierarchical Linear Model, IEEE Signal Processing Letters, Volume 23, No. 4, 2016, pp. 488-492.
- [Art.28.16] Goulart J.H., Boizard, M., **Boyer, R.**, Favier, G. and Comon P. Tensor CP Decomposition with Structured Factor Matrices : Algorithms and Performance, IEEE Journal of Selected Topics in Signal Processing, Volume 10, No. 4, June, 2016, pp. 757-769.
- [Art.27.14] Vu, D.T., Renaux, A. **Boyer, R.** , Marcos S., Some results on the Weiss-Weinstein bound for conditional and unconditional signal models in array processing, Signal processing, Volume 95, Feb. 2014, pp. 126-148.
- [Art.26.14] Tran N.D., Renaux A., **Boyer, R.**, Marcos S. and Larzabal P., Performance Bounds for The Pulse Phase Estimation of Pulsars, IEEE Transactions on Aerospace and Electronic Systems, Volume : 50, No. 1, 2014, pp.786-793.
- [Art.25.13] El korso, M. N., Renaux, A., **Boyer, R.**, and Marcos S., Deterministic Performance Bounds on the Mean Square Error for Near Field Source Localization, IEEE Transactions on Signal Processing, Volume 61, Issue 4, Feb., 2013, pp. 871-877.
- [Art.24.13] Tran N.D., **Boyer, R.**, Marcos S. and Larzabal P., On The Angular Resolution Limit For Array Processing In The Presence Of Modeling Errors, IEEE Transactions on Signal Processing, Volume : 61, No. 19, Oct. 2013, pp. 4701-4706.
- [Art.23.12] Maity S. P., Delpha, C., **Boyer, R.**, Watermarking on Compressed data integrating convolution coding in integer wavelets, International Journal of wavelets, Multiresolution and Information Processing (IJWMIP), Volume 10, 27 pages, DOI : 10.1142/S0219691312500518, 2012.
- [Art.22.12] El korso, M. N., **Boyer, R.**, Renaux A. and Marcos S., On the Asymptotic Statistical Resolvability Of Point Sources in Subspace Interference Using a GLRT-Based Framework, Signal processing, Volume 92, No. 10, October 2012, pp. 2471-2483..
- [Art.21.12] **Boyer, R.** and Miron S. Study of the Asymptotic Cramér-Rao Bound for the COLD Uniform Linear Array, Elsevier Physical Communication, in special issue "Polarization in Wireless Communications", Volume 5, No. 4, December 2012, pp. 296-307.
- [Art.20.12] Tran N.D., Renaux A., **Boyer, R.**, Marcos S. and Larzabal P. Weiss-Weinstein Bound for MIMO Radar with colocated linear arrays for SNR threshold prediction, Signal Processing, Volume 92, No. 5, May 2012, pp. 1353-1357.
- [Art.19.12] El korso, M. N, **Boyer, R.**, Renaux A. and Marcos S., Statistical Analysis of Achievable Resolution Limit in the Near Field Source Localization Context, Signal Processing, Volume 92, No. 2, Feb. 2012, pp. 547-552.
- [Art.18.12] El korso, M. N, **Boyer, R.**, Renaux A. and Marcos S., Statistical Resolution Limit for Source Localization With Clutter Interference in a MIMO radar Context, IEEE Transactions on Signal Processing, Volume 60, No. 2, Feb. 2012, pp. 987-992.
- [Art.17.11] Braci, S and Delpha, C and **Boyer, R.** How Quantization Based Schemes can be Used in Image Steganographic Context, Signal Processing : Image Communication, Volume 26, No. 8-9, October, 2011, pp. 567-576.
- [Art.16.11] Vu, D.T., Renaux, A. **Boyer, R.** , Marcos S., A Cramér-Rao bounds based analysis of 3D antenna array geometries made from ULA branches, Multidimensional System and Signal Processing, Springer Netherlands, Oct. 2011, DOI : 10.1007/s11045-011-0160-5.
- [Art.15.11] El korso, M. N, **Boyer, R.**, Renaux A. and Marcos S. Statistical Resolution Limit for the Multidimensional Harmonic Retrieval Model : Hypothesis Test and Cramér-Rao Bound Approaches, EURASIP Journal on Advances in Signal Processing, special issue "Advances in Angle-of-Arrival and Multidimensional Signal Processing for Localization and Communications", No. 12, 2011, pp. 1-14.
- [Art.14.11] Benkara Mostefa, I. and Braci, S. and Delpha, C. and **Boyer, R.** and Khamadja, M. Quantized based image watermarking in an independent domain, Signal Processing : Image Communication, Volume 26, No. 3, May 2011, pp. 194-204.

- [Art.13.11] **Boyer, R.**, Performance Bounds and Angular Resolution Limit for the Moving Co-located MIMO Radar, *IEEE Transactions on Signal Processing*, Volume 59, No. 4, 2011, pp. 1539-1552 .
- [Art.12.11] El korso, M. N. and **Boyer, R.** and Renaux, A. and Marcos, S., Statistical Resolution Limit of the Uniform Linear Cocentered Orthogonal Loop and Dipôle Array, *IEEE Transactions on Signal Processing*, Volume 59, No. 1, 2011, pp. 425-431. *Applicant for the Best Student Paper Award of the Sensor Array and Multichannel (SAM) Technical Committee in the IEEE Signal Processing Society (SPS).*
- [Art.11.10] El korso, M. N. and **Boyer, R.** and Renaux, A. and Marcos, S., Conditional and unconditional Cramér-Rao bounds for near-field source localization, *IEEE Trans. on Signal Processing*, Volume 58, No. 5, 2010, pp. 2901-2907.
- [Art.10.09] **Boyer, R.**, Cramér-Rao bound for damped/undamped exponential process with prior knowledge, *Multidimensional System and Signal Processing*, Springer Netherlands, Volume 20, No. 4, 2009, pp. 351-374.
- [Art.09.09] **Boyer, R.**, Oblique Projection for Source Estimation in a Competitive Environment : Algorithm and Statistical Analysis, *Signal Processing*, Volume 89, No. 12, 2009, pp. 2547-2554
- [Art.08.08] Badeau, R. and **Boyer, R.**, Fast multilinear singular value decomposition for structured tensors, *SIAM J. on Matrix Analysis and Applications*, Special Issue on Tensor Decompositions and Applications, Volume 30, No. 3, 2008, pp. 1008-1021 .
- [Art.07.08] **Boyer, R.** and Bouleux, G., Oblique projections for direction-of-arrival estimation with prior knowledge, *IEEE Trans. on Signal Processing*, Volume 56, No. 4, 2008, pp. 1374-1387.
- [Art.06.08] **Boyer, R.**, Deterministic asymptotic Cramér-Rao bound for the multidimensional harmonic model, *Signal Processing*, Volume 88, No. 12, 2008, pp. 2869-2877.
- [Art.05.07] **Boyer, R.** and DeLathauwer, L. and Abed-Meraim, K., Higher-order tensor-based method for delayed exponential fitting, *IEEE Trans. on Signal Processing*, Volume 55, No. 6, 2007, pp. 2795-2809.
- [Art.04.07] **Boyer, R.** and Abed-Meraim, K., Asymptotic performance for delayed exponential process, *IEEE Trans. on Signal Processing*, Volume 55, No. 6, 2007, pp. 3139-3142.
- [Art.03.06] Zaidi, A. and **Boyer, R.** and Duhamel, P., Audio watermarking under desynchronization and additive noise attacks, *IEEE Trans. on Signal Processing*, Volume 54, No. 2, 2006, pp. 570-584.
- [Art.02.05] **Boyer, R.** and Abed-Meraim, K., Damped and delayed sinusoidal model for transient modeling, *IEEE Trans. on Signal Processing*, Volume 53, No. 5, 2005, pp. 1720-1730.
- [Art.01.04] **Boyer, R.** and Abed-Meraim, K., Audio Modeling based on Delayed Sinusoids, *IEEE Trans. on Speech and Audio Processing*, Volume 12, No. 2, 2004, pp. 110-120.
- *Communications dans les conférences internationales avec actes :*
- [CoI.77.18] Ollier, V., El korso, M. N., Ferrari, A., **Boyer, R.** and Larzabal, P., Robust Calibration of Radio Interferometers in Multi-Frequency Scenario, *IEEE, Proc. of International Conference on Acoustics, Speech, and Signal Processing*, (ICASSP'18), 2018.
- [CoI.76.17] **Boyer, R.**, and Nielsen F., On the Error Exponent of a Random Tensor with Orthogonal Factor Matrices, *Conference on Geometric Science of Information (GSI'17)*, Volume 10589, of the Lecture Notes in Computer Science series, Springer, 2017
- [CoI.75.17] **Boyer, R.**, and Loubaton, P., Large Deviation Analysis of the CPD Detection Problem Based on Random Tensor Theory, *Proc. of European Signal Processing Conference (EU-SIPCO)*, 2017, *in special session*
- [CoI.74.17] **Boyer, R.**, and Nielsen F., Information Geometry Metric for Random Signal Detection in Large Random Sensing Systems, *IEEE, Proc. of International Conference on Acoustics, Speech, and Signal Processing*, (ICASSP'17).

- [CoI.73.16] Brossard, M., El korso, M. N., Pesavento, M., **Boyer, R.**, and Larzabal, P., Calibration of Radio Interferometers Using a Sparse DOA Estimation Framework, Proc. of European Signal Processing Conference (EUSIPCO), 2016. *in special session.*
- [CoI.72.16] Ollier, V., El korso, M. N., **Boyer, R.**, Larzabal, P. and Pesavento, M., Relaxed concentrated MLE for robust calibration of radio interferometers, Proc. of European Signal Processing Conference (EUSIPCO), 2016. *in special session.*
- [CoI.71.16] **Boyer, R.**, and Comon, P., Rectified ALS Algorithm for Multidimensional Harmonic Retrieval, IEEE Sensor Array and Multichannel Signal Processing Workshop (SAM'16), 2016. *in special session.*
- [CoI.70.16] Ollier, V., **Boyer, R.**, El korso, M. N., and Larzabal, P., Bayesian Lower Bounds for Dense or Sparse (Outlier) Noise in the RMT Framework, IEEE Sensor Array and Multichannel Signal Processing Workshop (SAM'16), 2016. *in special session.*
- [CoI.69.16] **Boyer, R.**, Larzabal, P., and Fleury, B.H., Oracle performance estimation of Bernoulli-distributed sparse Vectors, IEEE International Workshop on Statistical Signal Processing (SSP'16), 2016.
- [CoI.68.16] Ollier, V., El korso, M. N., **Boyer, R.**, Larzabal, P., and Pesavento, M., Joint ML Calibration And Localization with Separated Arrays, IEEE, Proc. of International Conference on Acoustics, Speech, and Signal Processing, (ICASSP'16). *Received one of the three highest review scores by the TPC SAM.*
- [CoI.67.15] Bernhardt, S., **Boyer, R.**, Marcos, S. and Larzabal, P., Compressed Sensing with Uncertainty - The Bayesian Estimation Perspective, IEEE International Workshop on Computational Advances (CAMSAP'15)
- [CoI.66.15] Bernhardt, S., **Boyer, R.**, Marcos, S. and Larzabal, P., Sparse-Based Estimators Improvement in Case of Basis Mismatch, IEEE International Workshop on Computational Advances (CAMSAP'15)
- [CoI.65.15] Zarka, P et al., NenUFAR : Instrument description and science case, IEEE International Conference on Antenna Theory and Techniques (ICATT), Kharkiv, Ukraine, 2015
- [CoI.64.15] Goulart J.H., Boizard, M., **Boyer, R.**, Favier, G. and Comon P., Statistical efficiency of structured CPD estimation applied to Wiener-Hammerstein modeling, Proc. of European Signal Processing Conference (EUSIPCO'15).
- [CoI.63.15] Bernhardt, S., **Boyer, R.**, Marcos, S., Eldar, Y. and Larzabal, P., Sampling FRI Signals with the SoS Kernel : Bounds and Optimal Kernel, Proc. of European Signal Processing Conference (EUSIPCO), 2015.
- [CoI.62.15] Boizard, M., **Boyer, R.**, Favier, G. and Comon P., Performance Estimation For Tensor CP Decomposition With Structured Factors, IEEE, Proc. of International Conference on Acoustics, Speech, and Signal Processing, (ICASSP'15).
- [CoI.61.14] Bernhardt, S., **Boyer, R.**, Marcos, S., Eldar, Y. and Larzabal, P., Cramer-Rao Bound for Finite Streams of an Arbitrary Number of Pulses, Proc. of European Signal Processing Conference (EUSIPCO'14).
- [CoI.60.14] Boizard, M., **Boyer, R.**, Favier, G., and Larzabal, P., Fast multilinear Singular Values Decomposition for higher-order Hankel tensors, Proc. of IEEE Workshop on Sensor Array and Multi-channel Processing (SAM'14), *in special session.*
- [CoI.59.14] Bernhardt, S., **Boyer, R.**, Zhang, B., Marcos, S. and Larzabal, P., Performance Analysis for Sparse Biased Estimator : Application to Line Spectra Analysis, Proc. of IEEE Workshop on Sensor Array and Multi-channel Processing (SAM'14), *in special session.*
- [CoI.58.13] Delpha C., Hijazi, S. and **Boyer, R.**, A Compressive Sensing Based Quantized Watermarking Scheme with Statistical Transparency Constraint, International Workshop on Digital Forensics (IWDW13), Springer.
- [CoI.57.13] **Boyer, R.**, El korso, M. N., Renaux, A., Marcos, S., Coexistence of Near-Field and Far-Field Sources : the Angular Resolution Limit, 3rd International Workshop on New Computational Methods for Inverse Problems, Journal of Physics : Conference Series, 2013.

- [CoI.56.13] Foroozan F., Asif A., and **Boyer, R.**, Time Reversal MIMO Radar : Improved CRB and Angular Resolution Limit, IEEE, Proc. of International Conference on Acoustics, Speech, and Signal Processing, (ICASSP'13).
- [CoI.55.13] Thameri, M., **Boyer, R.**, and Abed-Meraim, K., Derivation Of An Analytical Expression Of The Gaussian Model Statistical Resolution Limit, IEEE, Proc. of International Conference on Acoustics, Speech, and Signal Processing, (ICASSP'13).
- [CoI.54.12] Tran N.D., **Boyer, R.**, Marcos, S., and Larzabal, P., Angular Resolution Limit for Array Processing : Estimation and Information Theory Approaches, 20th European Signal Processing Conference (EUSIPCO12).
- [CoI.53.12] Tran N.D., **Boyer, R.**, Renaux, A., Marcos, S., and Larzabal, P., Theoretical Multi-dimensional Resolution Limit for MIMO Radar Based on the Chernoff Distance, IEEE International Workshop on Statistical Signal Processing 2012 - IEEE SSP'12.
- [CoI.52.12] Renaux A, **Boyer, R.** and Marcos, S., Lower bounds on the MSE for mixed far-field and near-field sources direction-of-arrivals, 46th Annual Asilomar Conference on Signals, Systems, and Computers, November, 2012, *in special session*.
- [CoI.51.12] **Boyer, R.** and Delpha, C., Relative-entropy based beamforming for secret key transmission, 2012, June, IEEE SAM 2012 - 7th IEEE Sensor Array and Multichannel Signal.
- [CoI.50.11] Delpha, C. and Benkara Mostefa, I. and Braci, S. and **Boyer, R.** and Khamadja, M., Trellis Coded Quantization Based Watermarking Scheme Performances in an Independent Domain, 2011, May, IEEE International Workshop on Systems, Signal Processing and their Applications (WOSSPA 11), *in special session*.
- [CoI.49.11] Vu, D.T., El korso, M. N., **Boyer, R.**, Renaux, A., Marcos, S., Angular Resolution Limit for Vector-Sensor Arrays : Detection and Information Theory Approaches, IEEE International Workshop on Statistical Signal Processing 2011 - IEEE SSP'11, *in special session*.
- [CoI.48.11] Vu, D.T., Renaux, A., **Boyer, R.**, Marcos, S., Weiss-Weinstein Bound and SNR Threshold Analysis for DOA Estimation with a COLD Array, IEEE International Workshop on Statistical Signal Processing 2011 - IEEE SSP'11, *in special session*.
- [CoI.47.11] Tran N.D., Renaux, A., **Boyer, R.**, Marcos, S., Larzabal, P., Mimo Radar In The Presence Of Modeling Errors : A Cramér-Rao Bound Investigation, IEEE, Proc. of International Conference on Acoustics, Speech, and Signal Processing, (ICASSP'11).
- [CoI.46.11] El korso, M. N., **Boyer, R.**, Renaux, A., Marcos, S., Statistical resolution limit for source localization in a mimo context, IEEE, Proc. of International Conference on Acoustics, Speech, and Signal Processing, (ICASSP'11).
- [CoI.45.11] **Boyer, R.**, R Badeau and G. Favier, Fast Orthogonal Decomposition Of Volterra Cubic Kernels Using Oblique Unfolding, IEEE, Proc. of International Conference on Acoustics, Speech, and Signal Processing, (ICASSP'11).
- [CoI.44.10] Vu, D.T., Renaux, A., **Boyer, R.** and Sylvie Marcos, S., Performance analysis of 2D and 3D antenna arrays for source localization, in Proc. of the European Signal Processing Conference, EUSIPCO-10, Aalborg, Denmark
- [CoI.43.10] Vu, D.T., Renaux, A., **Boyer, R.** and Marcos, S., Closed-form expression of the Weiss-Weinstein bound for 3D source localization : the conditional case, 2010, October, SAM, Jerusalem, Israel, *in special session*.
- [CoI.42.10] El korso, M. N. **Boyer, R.** Renaux, A. and Marcos, S., Statistical resolution limit for multiple parameters of interest and for multiple signals, 2010, March, IEEE, Proc. of International Conference on Acoustics, Speech, and Signal Processing, (ICASSP'10).
- [CoI.41.10] Braci, S. and **Boyer, R.** and Delpha, C., Analysis of the Resistance of the Spread Transform against Temporal Frame Averaging Attack, 2010, September, International Conference on Image Processing (ICIP), IEEE, Hong-Kong, China
- [CoI.40.09] El korso, M. N. **Boyer, R.** Renaux, A. and Marcos, S., Nonmatrix closed-form expressions of the Cramér-Rao bounds for near-field localization parameters, 2009, april, IEEE, Proc. of International Conference on Acoustics, Speech, and Signal Processing, (ICASSP'09).

- [CoI.39.09] Braci, S. and **Boyer, R.** and Delpha, C., Security evaluation of informed watermarking scheme, 2009, November, International Conference on Image Processing (ICIP), Cairo, Egypt, IEEE,
- [CoI.38.09] **Boyer, R.**, Analysis of the COLD Uniform Linear Array, 2009, June, IEEE International Workshop on Signal Processing Advances for Wireless Communications (SPAWC)
- [CoI.37.09] Bouleux, G. and Stoica, P. and **Boyer, R.**, An Optimal Prior Knowledge-Based DOA Estimation Method, 2009, Proc. of the 17th European Signal Processing Conference, (EUSIPCO'09).
- [CoI.36.09] El korso, M. N. and Bouleux, G. and **Boyer, R.** and Marcos, S., Sequential estimation of the range and the bearing using the zero-forcing MUSIC approach, 2009, august, Glasgow, Proc. of the 17th European Signal Processing Conference, (EUSIPCO'09),
- [CoI.35.09] Benkara Mostefa, I. and Braci, S. and Delpha, C. and **Boyer, R.** and Khamadja, M., Improved Performances of Scalar Costa Scheme for Images Watermarking in an Independent Domain, 2009, September, 6th IEEE Int'l Symposium on Image and Signal Processing and Analysis, Salzburg, Austria
- [CoI.34.09] Braci, S. and Delpha, C. and **Boyer, R.**, How quantization based scheme can be used in steganographic context, 2009, October, IEEE International Workshop on Multimedia Signal Processing (MMSP), Rio de Janeiro, Brazil
- [CoI.33.09] Braci, S. and Miraoui, A. and Delpha, C. and **Boyer, R.**, Watermarking scar as an ultimate copy protection, 2009, July, Journal of Physics : Conference Series, Volume 206 Number 1. *in special session.*
- [CoI.32.09] Maity, S.P. and Delpha, C. and Braci, S. and **Boyer, R.**, Hidden QIM Watermarking on Compressed Data using Channel Coding and Lifting, 2009, 414-419, December, International Conference on Pattern Recognition and Machine Intelligence PREMI-09, Chaudhury S., et al., New Delhi, India, Springer-Verlag Berlin Heidelberg 2009
- [CoI.31.09] El korso, M. N. and **Boyer, R.** and Marcos, S., Fast Sequential Source Localization Using the Projected Companion Matrix Approach, 2009, december, Aruba, Dutch Antilles, The Third International Workshop on Computational Advances in Multi-Sensor Adaptive Processing.
- [CoI.30.08] **Boyer, R.**, Decoupled root-MUSIC algorithm for multidimensional harmonic retrieval, 2008, 9th IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC'08)
- [CoI.29.08] Braci, S. and Delpha, C. and **Boyer, R.** and Le Guelvouit, G., Informed stego-systems in active warden context : Statistical undetectability and capacity, 2008, octobre, IEEE Int. Workshop on MultiMedia Signal Processing (MMSP), Cairns, Queensland, Australia
- [CoI.28.08] Braci, S. and **Boyer, R.** and Delpha, C., On the tradeoff between security and robustness of the Trellis Coded Quantization scheme, 2008, April, IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP),
- [CoI.27.08] Bouleux, G. and **Boyer, R.**, First-order analysis of the prior-based knowledge min-norm algorithm, 2008, IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP08), Las Vegas
- [CoI.26.08] **Boyer, R.** and Picheral, J., Second-order near-field localization with automatic pairing operation, 2008, IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP08), Las Vegas
- [CoI.25.08] Bouleux, G. and Guillet, F. and **Boyer, R.** and El Badaoui, M., A subspace-based rejection method for detecting bearing fault in asynchronous motor, 2008, IEEE International Conference on Condition Monitoring and Diagnosis (CMD 08), Beijing.
- [CoI.24.07] **Boyer, R.** and Abed-Meraim, K., Estimation of the complex amplitudes associated to the common poles in a multichannel signal, 2007, 32nd IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP07), Honolulu

- [CoI.23.07] Bouleux, G. and **Boyer, R.**, Zero-forcing based sequential MUSIC algorithm, 2007, 32nd IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Honolulu
- [CoI.22.07] Sajjad, N. and **Boyer, R.**, Asymptotic Cramér-Rao bound for multi-dimensional harmonic models, 2007, 32nd IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP07), Honolulu
- [CoI.21.07] Bouleux, G. and **Boyer, R.**, A lower bound for sequential estimators, 2007, 12-17 dec, 2nd IEEE International Workshop on Computational Advances (CAMSAP07)
- [CoI.20.07] **Boyer, R.**, Analysis of the Cramér-Rao bound integrating a prior-knowledge, 2007, 12-14 dec, 2nd IEEE International Workshop on Computational Advances (CAMSAP07), *in special session.*
- [CoI.19.06] **Boyer, R.** and Bouleux, G. and Abed-Meraim, K., Common pôle estimation with an orthogonal vector method, 2006, Proc. 14th European Signal Processing Conference (EUSIPCO'06), Florence
- [CoI.18.06] Bouleux, G. and **Boyer, R.**, Subspace-based estimation of direction-of-arrival with known directions, 2006, Proc. 14th European Signal Processing Conference (EUSIPCO'06), Florence
- [CoI.17.06] Bouleux, G. and **Boyer, R.**, Analysis of prior-subspace estimation schemes, 2006, Proc. 4th IEEE Workshop on Sensor Array and Multi-channel Processing (SAM-2006)
- [CoI.16.06] **Boyer, R.**, Three-way arrays for harmonic retrieval : The colored noise case, 2006, Proc. 31st IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP'06), Toulouse
- [CoI.15.06] **Boyer, R.** and Badeau, R., Adaptive multilinear SVD for structured tensors, 2006, Proc. 31st IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP'06), Toulouse
- [CoI.14.06] **Boyer, R.** and Bouleux, G., Cramér-Rao lower bound for prior-subspace estimation, 2006, Proc. 4th IEEE Workshop on Sensor Array and Multi-channel Processing (SAM-2006)
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